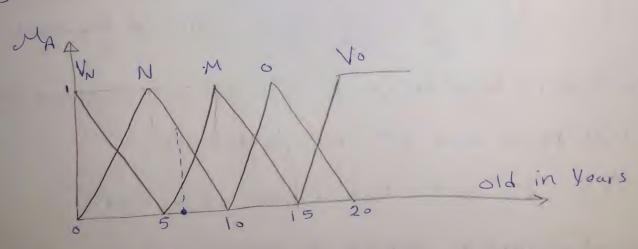
15 \$ 2/5/0/20

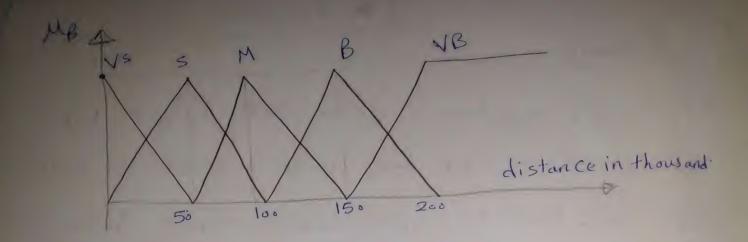
* A fuzzy system constructed to get the Price of a Car type with respect to care age and distance since mainfactured data Say that the system has two inputs that are age and used distance, one output which Car Price, where MA(X), MB(X), Mc(X) memberships represents: Care age, used distance by care and Price with thousands.



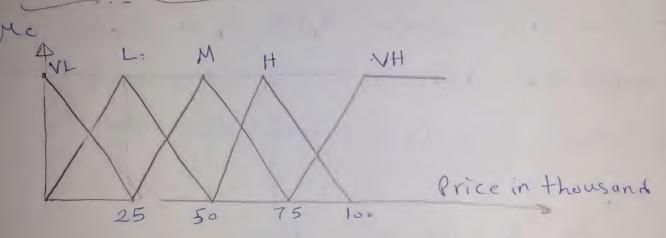
VN = very new (N = new

M = medium o = old; Vo = very old

II Rec 15



VS = Very small; S = Small; M = Medium
B = big; VB = Very big



VL = very low Price; L=Low Price; M=Medium Price.

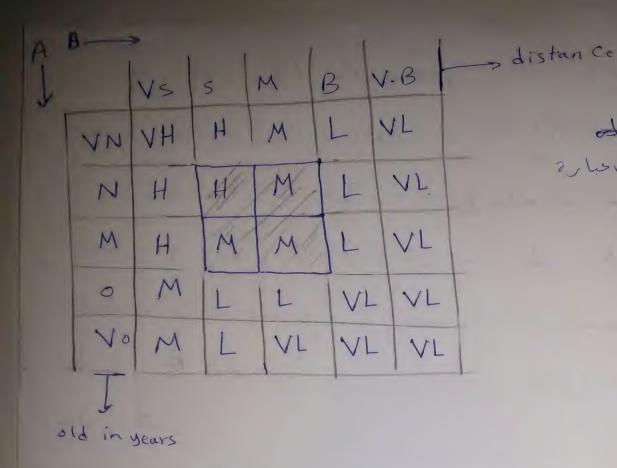
H=High Price and VH=Very high Price.

manufactured since 6 years age and used it in distance 80 × 18 Km

معرف السية الوسع والمسافة المقطوعة ، هذا النظام له دخلن وخرج واحد الدخلين هما سة الوسع والمسافة المقطوعة (دومورة المقطوعة حادل أن قوم سعر سارة هوممة منذ 7 سنوات وسارت عسافة مراحة . مراحة مراحة مسافة مراحة مراح

inter Ital

الد (لا العدول على ما فنا يعبر على منطقية ترابط النكات الد (العدول على المعلى والحل هذا العدول نحب درجة الدنة) و للحروق و ناخذ أوعزهم جوه (داخل العدول) ولو تكررت عاله داخل العدول ناخذ أكبر المغرين فم نلغ العالة الد (لا و المعدول العدول) و لا و الد (لا و المعدول) و لا و الدول العدول) و لا و الدول العدول العدول العدول) و لا و المعدول العدول الع



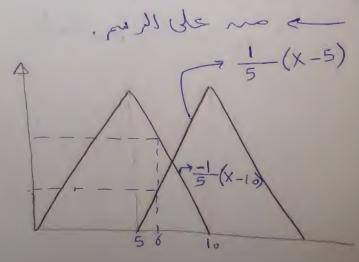
مع الق الجدول الم ماق الجدول عبارة عدم السعر -

Lever liste CM ecres (is) c N.

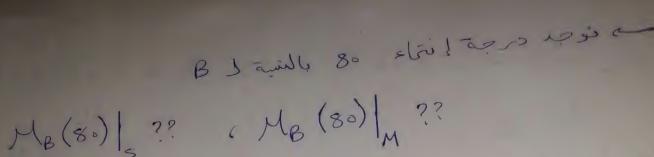
Observed Mister CM ecres (is) c N.

Observed Ma(6) | M

 $M_{A}(6)|_{N} = 0.2$ $M_{A}(6)|_{N} = 0.8$

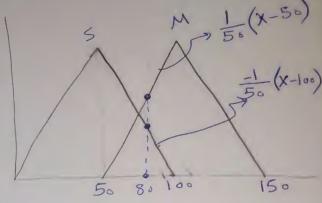


[4] Lec 15



0-4	0-6
5	M

0.8	01	0-40-6
	10	HM
0-2	M	0-2 0-2
2	, ,	MM



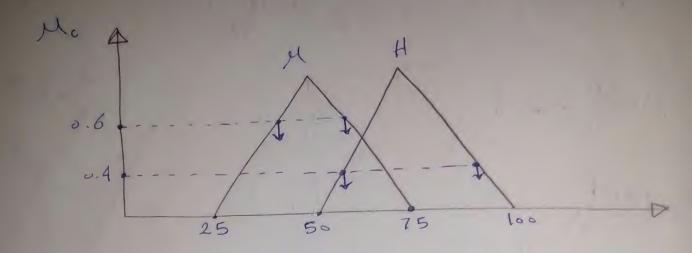
معد حساب العروف للعد دل للمثعلقة المحددة ، داخل الحددل ناخذ الهعير في العرفين

MelH=0.4 MelM=0.6 MelM=0-2 MelM=0.2

-> lel Ela eja eleb Ilereb viri Il Ruge ésa Mely = 0-4

Moly=max (0-6,0-2,0-4) = 0-6

Me aous me 0.6 (0.9) 5/6/11 × 400 100 e-



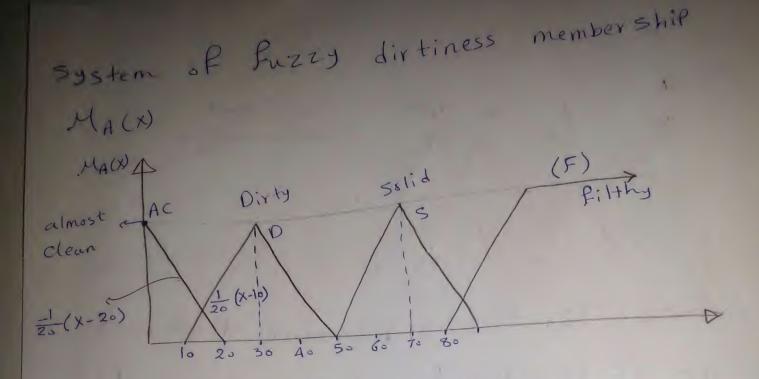
 $\bar{x} = 75$ For Mc|H=0-4 $\bar{x} = 50$ For Mc|M=0-6

Price = \(\sum_{\text{XMC}} \) = \((0.4)(75000) + \((0.6)(50000) \)
\(\sum_{\text{O-A} + 0-6} \)

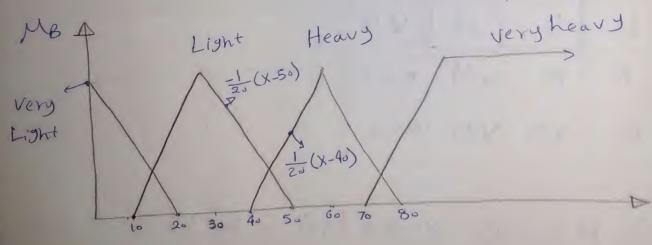
Price = 60000

inputs and one output. The input.

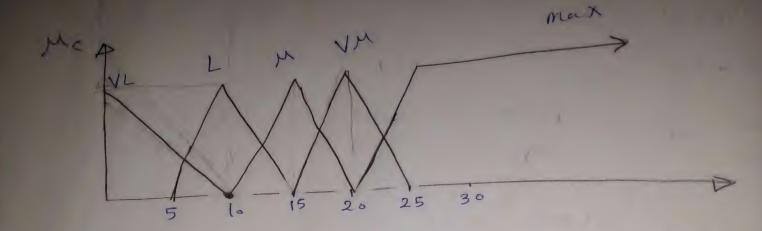
The dirtiness of the load athunich
measured by the opacity (Taplets) of the
washing water use an optical sensor



12) the weight of the laundary Load measured by a pressure sensor system with fuzzy weight membership MB(x).



sthe output is the amount detergent (result) dispensed of very Little (VL) · Little (1), much (M, very much (V.M) maximum (M) }



-sfind the fuzzy detergent dispensed value if laundry has dirtiness Value !!

		1 1 1		1
	VL	L	H	VH
AC	VL	1	M	M
P	L	L	M	VM
5	M	M	VM	max
F	M	VM	NM	max

 M_A (11) $\int_{ac}^{b} = \frac{1}{20}(11-20) = 0.45$

$$M_A(11)|_{0=\frac{1}{20}}(11-10)=0.05$$

$$M_{B}(42)|_{H} = \frac{1}{2}(42-40) = 0.1$$

$$M_{B}(42)|_{L} = \frac{1}{20}(42-50) = 0.4$$

$$M_{B}(42)|_{L} = \frac{1}{20}(42-50) = 0.4$$

$$M_{C}(42)|_{L} = \frac{1}{20}(42-50) = 0$$